Hepatitis C Testing Guidelines

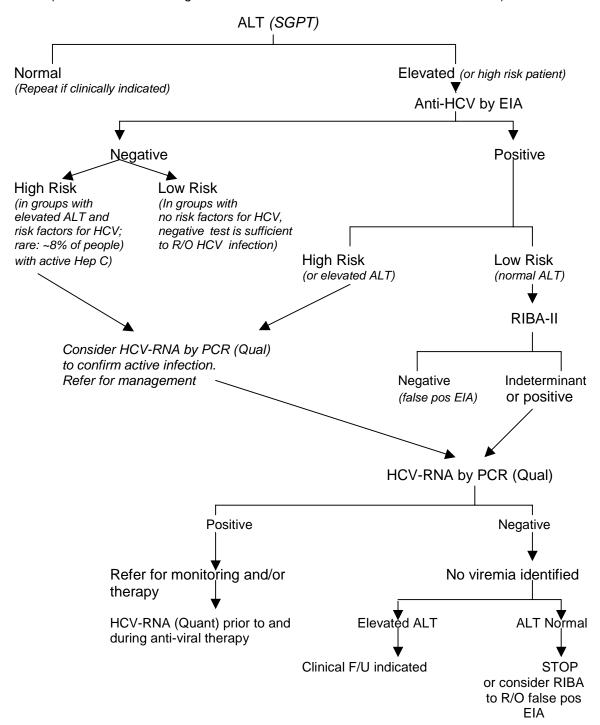
Washington State Clinical Laboratory Advisory Council October, 2000

FOR EDUCATIONAL PURPOSES ONLY

The individual clinician is in the best position to determine which tests are most appropriate for a particular patient.

Screening

(See chart on screening recommendations for HCV infection on reverse side)



<u>Hepatitis C Virus Genotyping</u>: The HCV genotyping assay can be used as a guide to duration of therapy and can affect a patient's long-term response to interferon (IFN- α).

Screening Recommendations for Hepatitis C Virus (HCV) Infection

<u>Persons who should be tested routinely for HCV infection based on their risk for infection:</u>

- Persons who ever injected drugs, including those who injected once or a few times many years ago and do not consider themselves as drug users
- Persons with selected medical conditions, including:
 - persons who received clotting factor concentrates produced before 1987
 - persons who were ever on chronic (long-term) hemodialysis; and
 - persons with persistently abnormal ALT levels
- Prior recipients of transfusions or organ transplants, including:
 - persons who were notified that they received blood from a donor who later tested positive for HCV infection
 - Persons who received a transfusion of blood or blood components before July 1992, and
 - Persons who received an organ transplant before July, 1992

<u>Persons who should be tested routinely for HCV infection based on a recognized exposure:</u>

- Healthcare, emergency medical, and public safety workers after needle sticks, sharps or mucosal exposures to HCV-positive blood
- Children born to HCV-positive women

References:

- National Institutes of Health Consensus Development Conference Panel Statement: Management of Hepatitis C, Hepatology September, 1997
- 2. Dula, William F. and Anderson, Steven M., Diagnosis and Monitoring of Hepatitis C Infection, Advance for Administrators of the Laboratory, June, 1998
- Lok, Anna S.F. and Gunaratnam, Naresh T., Diagnosis of Hepatitis C, Hepatology, Vol. 26, No. 3, Suppl. 1, September, 1997
- 4. Everhart, James E., Stolar, Michael and Hoofnagle, Jay H. Management of Hepatitis C: A National Survey of Gastroenterologists and Hepatologists, Hepatology, September, 1997
- 5. Gretch, David R., Diagnostic Tests for Hepatitis C, Hepatology Vol. 26, No. 3, Suppl. 1, 1997
- 6. Cook, Linda, Hepatitis C Virus Diagnosis and Therapeutic Monitoring: Methods and Interpretation, Clinical Microbiology Newsletter, Vol.21, No. 9, May, 1999
- 7. Center for Disease Control Morbidity and Mortality Weekly Report, Recommendations of Prevention and Control of Hepatitis C Virus (HCV) Infection and HCV-Related Chronic Disease, Vol. 47, No. RR-19, October 16, 1998
- 8. LabHorizons, Current Develoments in Clinical Diagnostics, Laboratory Corporation of America, c147-1197-1, 1997

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